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MONTANA OIL AND GAS STATISTICAL BULLETIN

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Vol. XXI, No. 8 **AUGUST, 1973**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of August, 1973, averaged 93,753 barrels daliy, a decrease of 1,017 barrels from the average July production of 94,770.

The nine refineries in the state processed 155,954 barrels of crude oil daily for the month of August, 1973, an increase of 35,432 barrels from the 120,522 barrels processed daily during the month of July.

During August, 69 wells were completed, 10 oil, 7 gas and 52 dry holes.

During August, the commissioni ssued 92 permits to drill new wells, an increase of 31 from the 61 permits issued during July.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF AUGUST, 1973

IN STORAGE August 1st	
By Producers	315,178
By Transporters	1,488,275
By Refiners	1,106,289
TOTAL STORAGE	2,909,742
Produced in Montana During Month	2,906,336
Imported During Month	3,954,113
TOTAL	9,770,191
DISPOSITION:	
Refined in Montana	4,834,572
Exported	2,485,602
Used for Fuel or Lost	12,958
TOTAL	7,333,132
IN STORAGE August 31st	
By Producers	305,603
By Transporters	1,226,978
By Refiners	904,478
TOTAL STORAGE	2,437,059

NATURAL GAS WITHDRAWALS IN MONTANA

Month of August, 1973

Field	M. C. Ft.
Big Coulee	34,811
Blackjack	—0—
Bowdoin	360,127
Bowes	44,595
Cabin Creek	73,079
Cedar Creek	133,577
Cut Bank (including Regan)	147,449
Dry Creek	52,894
Elk Basin	47.117
Flat Coulee	186
Gold Butte	—0—
Grandview	10,741
Hardin	3,144
Keith Block	—0—
Kevin Sunburst	4,123
Lake Basin	12,295
Liscom Creek	49,804
Middle Butte	—0—
Mt. Lilly	—0—
Pine	63,092
Plevna	7,019
South Devon	16,684
Tiger Ridge	2,421,631
Trail Creek	11,358
Utopia	—0—
West Butte	—0—
Whitlash	13,475
Miscellaneous	297,470
TOTAL	3,804,671

Total Withdrawals for August, 1972, were 1,491,673.

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PRODUCERS REPORT — MONTH OF AUGUST, 1973

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	224	924	----------	1,125	----------	23
1	Bainville	1	2,424	2,113	----------	2,073	----------	2,464
4	Bannatyne	4	----------	309	309	----------	----------	----------
4	Bear's Den	5	1,359	782	1,029	----------	----------	1,112
18	Bell Creek	247	24,744	692,578	694,232	----------	10	23,080
1	Benrud	1	98	823	623	----------	----------	298
3	Benrud East	3	1,610	12,857	12,634	----------	----------	1,833
1	Benrud Northeast	1	631	1,673	1,505	----------	----------	799
1	Berthelote	1	440	182	167	----------	----------	455
5	Big Wall	14	701	4,431	4,104	----------	----------	1,028
3	Blackfoot	3	413	810	752	----------	----------	471
6	Border	7	2,768	484	599	----------	----------	2,653
1	Bowes	32	5,500	8,812	10,233	----------	----------	4,079
1	Bradley	1	431	532	405	----------	----------	558
1	Brady	1	----------	169	169	----------	----------	----------
4	Brorson-Madison	4	1,296	3,071	----------	3,057	----------	1,310
5	Brorson-Red River	5	6,007	7,645	----------	7,721	----------	5,931
3	Brorson-Red River South	3	2,230	8,464	----------	9,184	----------	1,510
1	Burns Creek	1	540	2,552	----------	2,688	----------	404
6	Brush Lake	6	1,527	12,665	13,020	----------	----------	1,172
2	Cabin Creek	87	----------	223,500	223,500	----------	----------	----------
1	Canal	1	1,268	5,517	----------	6,031	----------	754
9	Cat Creek	42	2,477	14,561	14,673	----------	----------	2,365
1	Chelsea Creek	1	209	600	----------	600	----------	209
1	Clark's Fork	1	154	106	192	----------	----------	68
1	Clark's Fork South	1	466	130	----------	----------	----------	596
1	Conrad South	1	----------	209	209	----------	----------	----------
1	Cow Creek	1	330	678	----------	701	----------	307
4	Cow Creek East	5	446	17,966	----------	17,800	----------	612
1	Culbertson	1	152	789	----------	737	----------	204
4	Cupton	7	3,512	7,272	5,719	1,512	----------	3,553
121	Cut Bank	845	63,370	320,110	321,977	810	----------	60,693
----	Dean Dome	----------	65	----------	----------	----------	----------	65
1	Deer Creek	1	447	1,096	1,225	----------	----------	318
1	Delphia	1	544	320	----------	700	----------	164
4	Devil's Basin	4	450	396	----------	----------	----------	846
3	Dwyer	11	4,489	12,387	12,034	----------	----------	4,842
3	Elk Basin	46	659	115,071	115,072	----------	----------	658
5	Elk Basin Northwest	8	1,713	3,885	3,949	----------	----------	1,649
5	Fairview	9	9,216	34,223	13,052	21,635	----------	8,752
2	Fertile Prairie	2	800	1,372	----------	1,364	----------	808
5	Flat Coulee	22	1,877	9,639	8,856	----------	----------	2,660
36	Flat Lake	52	4,131	55,785	56,811	----------	----------	3,105
6	Flat Lake South	6	956	8,636	8,284	----------	----------	1,308
1	Four Buttes	1	408	486	----------	438	----------	456
1	Ft. Gilbert	2	221	14,357	14,266	----------	----------	312
1	Frannie	1	----------	868	868	----------	----------	----------
9	Fred & George Creek	27	2,584	34,200	34,250	----------	----------	2,534
1	Froid South	1	359	922	----------	1,057	----------	224
1	Gage	1	215	116	----------	170	----------	161
3	Gas City	18	4,319	22,264	18,477	3,232	----------	4,874
2	Girard	2	1,478	1,441	----------	1,341	----------	1,578
11	Glendive	15	2,645	24,600	25,480	----------	----------	1,765
11	Goose Lake	28	3,230	26,186	26,107	----------	----------	3,309
8	Graben Coulee	15	5,448	5,983	3,841	2,711	----------	4,879
2	Gypsy Basin	2	----------	994	----------	994	----------	----------
1	Hay Creek-Mission Canyon	1	85	1,099	1,127	----------	----------	57
2	Hay Creek-Red River	2	464	5,348	5,531	----------	----------	281
4	Hiawatha	4	2,325	4,152	3,557	----------	----------	2,920
----	Injun Creek	----------	266	----------	----------	----------	----------	266
6	Ivanhoe	11	1,435	3,418	3,708	----------	----------	1,145
2	Jim Coulee	24	4,505	38,467	38,732	----------	----------	4,240
8	Keg Coulee	17	5,309	17,911	19,195	----------	----------	4,025
2	Keg Coulee North	2	676	3,437	3,477	----------	----------	636
1	Kelley	3	864	5,910	5,969	----------	----------	805
74	Kevin Sunburst	413	9,917	23,642	20,836	2,193	----------	10,530
8	Laird Creek	10	638	2,709	----------	2,613	----------	734
1	Landslide Butte	2	422	463	----------	----------	----------	885
3	Leary	3	2,274	2,395	----------	2,835	----------	1,834
1	Little Beaver	23	----------	41,203	41,203	----------	----------	----------
2	Little Beaver East*	10	1,494	12,847	12,931	----------	----------	1,410
1	Little Wall Creek	1	314	3,090	3,114	----------	----------	290
1	Lodge Grass	1	451	879	----------	875	6	449
7	Lonetree Creek	7	4,429	23,218	23,951	----------	----------	3,696
3	Lookout Butte (Coral Creek)	30	595	59,656	59,977	----------	----------	274
1	Mason Lake	1	291	355	345	----------	----------	301
2	Melstone	3	411	2,068	1,787	----------	----------	692
1	Mineral Bench	1	196	630	425	----------	----------	401
2	Miners Coulee	2	----------	918	----------	918	----------	----------
11	Monarch	14	3,885	14,345	10,249	3,686	----------	4,295
2	Mosser	2	----------	331	----------	331	----------	----------
1	Nohly	1	1,075	8,580	----------	8,456	----------	1,199
3	Otis Creek	3	727	6,133	----------	5,716	----------	1,144
6	Outlock	8	3,933	15,048	13,122	----------	----------	5,859
1	Outlook South	1	758	403	----------	----------	----------	1,161
2	Outlook West	2	1,291	2,304	1,787	----------	----------	1,808
1	Pennel-Lookout Butte	112	----------	196,264	196,264	----------	----------	----------
4	Pine	107	17,140	239,820	239,820	----------	----------	17,140
61	Pondera	257	3,900	24,268	24,327	----------	----------	3,841
6	Poplar	65	6,983	41,651	40,416	----------	----------	8,218
3	Poplar Northwest	3	1,831	1,056	1,494	----------	----------	1,393
----	Prairie Elk	----------	520	----------	----------	----------	----------	520
1	Pritchard Creek	5	167	343	343	----------	----------	167
1	Putnam	2	242	8,379	----------	8,379	----------	242
3	Rabbit Hills	3	2,298	8,609	----------	8,788	----------	2,119
6	Ragged Point	15	3,834	19,032	19,469	----------	----------	3,397
2	Rattlesnake Coulee	2	493	295	187	----------	----------	601
4	Raymond	4	2,422	30,430	30,285	----------	----------	2,567
3	Reagan	43	646	15,346	15,257	----------	----------	735
1	Red Creek	19	----------	14,630	14,630	----------	----------	----------
1	Red Fox	1	228	617	656	----------	----------	189
1	Redstone	1	230	1,041	1,129	----------	----------	142
1	Repeat	1	120	1,315	----------	1,315	----------	120
3	Reserve	4	617	4,904	4,860	----------	----------	661
1	Richey	1	505	600	600	----------	----------	505
1	Richey Southwest	5	165	2,152	----------	1,892	----------	425
----	Rough Creek	----------	681	----------	----------	----------	681	----------
1	Rush Mountain	1	401	2,349	2,376	----------	----------	374
2	Salt Lake	3	327	3,596	----------	3,452	----------	471
4	Sand Creek	4	1,504	1,560	1,607	----------	----------	1,457
1	Second Creek	1	1,174	9,095	----------	9,606	----------	663
1	Sioux Pass	1	725	15,683	15,409	----------	----------	999
1	Snyder	1	613	593	----------	923	----------	283
7	Soap Creek	17	1,727	8,051	----------	8,349	----------	1,429
2	Spring Lake	2	1,077	1,398	----------	1,914	----------	561
3	Stensvad	8	3,859	51,044	52,470	----------	----------	2,433
17	Sumatra	73	19,005	95,467	96,219	----------	----------	18,253
5	Tule Creek	5	2,881	18,257	----------	17,932	----------	3,206
2	Tule Creek East	2	1,553	5,662	----------	6,124	----------	1,091
3	Tule Creek South	3	489	2,967	----------	2,866	----------	590
2	Vida	2	477	339	----------	429	----------	387
4	Volt	5	2,103	10,491	9,995	----------	----------	2,599
3	Weldon	3	799	5,417	5,302	----------	----------	914
1	West Butte	1	----------	1,352	----------	1,352	----------	----------
18	Whitlash	43	7,511	13,329	14,910	----------	87	5,843
----	Whitlash West	----------	284	----------	----------	----------	----------	284
3	Willow Creek North	3	443	2,441	2,525	----------	----------	359
2	Wills Creek South	2	----------	2,788	2,788	----------	----------	----------
2	Wolf Springs	2	1,551	1,332	1,493	----------	----------	1,390
2	Woodrow	2	324	2,760	2,830	----------	----------	254
2	Wright Creek	4	1,961	1,200	1,239	----------	----------	1,922
----	Wildcat, Blaine Co.	----------	157	----------	----------	----------	----------	157
----	Wildcat, McCone Co.	----------	52	----------	----------	----------	----------	52
2	Wildcatt, Musselshell Co.	2	254	3,389	----------	2,694	----------	949
2	Wildcat, Toole Co.	2	294	2,854	----------	2,854	----------	294
1	Wildcat, Roosevelt Co.	1	----------	2,670	----------	2,408	----------	262
697	Total	3,056	315,178	2,906,336	2,718,546	196,581	784	305,603

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1972	33,904,139	92,634	33,861,385	92,517
First Quarter, 1973	8,463,610	94,040	8,461,995	94,022
Second Quarter, 1973	8,624,084	94,770	8,628,131	94,815
July, 1973	2,871,754	92,637	2,869,631	92,569
August, 1973	2,906,336	93,753	2,915,127	94,036

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil in Storage**
December, 1972	320,567	1,303,848	1,228,659	2,853,074
March, 1973	319,421	1,187,629	669,292	2,176,342
June, 1973	313,690	1,360,758	743,010	2,417,458
July, 1973	315,178	1,488,275	1,106,289	2,909,742
August, 1973	305,603	1,226,978	904,478	2,437,059

*Montana Oil Only **Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF AUGUST, 1973

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Co.			1,125				1,125		
BAINVILLE—Koch Oil Company			2,073				2,073		
BEAR'S DEN—Truck		1,029					1,029		
BELL CREEK—Pipeline	52,800	694,232					382,593	311,475	52,994
BIG WALL—Continental Pipeline Co.		4,104				4,104			
BLACKFOOT—									
Camerland Cardinal Corp.		752						752	
BORDER—Permian Corp.		599						599	
BOWES—Texaco		10,233				10,233			
BRORSON-MADISON, BRORSON-RED RIVER AND BRORSON-RED RIVER SOUTH—Koch Oil Company			19,962					19,962	
BRUSH LAKE—Portal Pipeline Co.		13,006					13,006		
BURNS CREEK—									
Western Crude Oil, Inc.			2,688				2,688		
CABIN CREEK AND OTHERS*—									
Butte Pipeline Co.	282,307	495,744	14,711	1,780,372			2,295,199		277,935
Shell Pipeline Co.	4,395	261,848			(30)			260,145	6,128
	286,702	757,592	14,711	1,780,372	(30)		2,295,199	260,145	284,063
CANAL—Koch Oil Company			6,031				6,031		
CAT CREEK—									
Continental Pipeline Co.		14,673				14,673			
CHELSEA—Western Crude Oil, Inc.			600				600		
CLARK'S FORK AND CLARK'S FORK SOUTH—Permian Corp.		192					192		
COW CREEK AND COW CREEK EAST—Western Crude Oil, Inc.			18,501				18,501		
CULBERTSON—Spruce Oil Co.			737				737		
CUT BANK—									
Continental Pipeline Co.		610,889	10,310					621,199	
Phillips Petroleum Co.	91,739	121,924		32,988	4,260	169,828			72,563
Texas Pipeline Co.	13,693	31,685		68,003	235			90,510	22,636
Union Oil Co.	81,137	41,249			269	83,718			38,399
Western Oil Trans. Co.		25,144						25,144	
Western Oil Trans. Co. (Mouton)		118,968						118,968	
	186,569	949,859	10,310	100,991	4,764	253,546		855,821	133,598
DELPHIA—Truck			700			700			
DWYER—Portal Pipeline Co.		12,084					12,084		
ELK BASIN AND ELK BASIN NORTHWEST—Marathon Pipeline Co.		118,124				118,124			
FAIRVIEW—									
Fairview Pipeline Co.		13,052					13,052		
Koch Oil Company			21,635				21,635		
		13,052	21,635				34,687		
FLAT COULEE—									
Camerland Cardinal Corp.		8,118				8,118			
FLAT LAKE AND FLAT LAKE SOUTH—Portal Pipeline Co.		60,619					60,619		
FT. GILBERT—									
Fairview Pipeline Co.		34,687					34,687		
FOUR BUTTES—Truck			438					438	
FRANNIE—Interstate Pipeline Co.		868					868		
FRED AND GEORGE CREEK—									
Camerland Cardinal Corp.	12,366	25,432				45,509			2,289
FROID SOUTH—Truck			1,057					1,057	
GAGE—Truck			170			170			
GIRARD—Koch Oil Company			1,341				1,341		
GLENDIVE, DEER CREEK, WOOD-ROW AND SAND CREEK—									
Texas Pipeline Co.	5,913	24,262			768			21,167	8,240
GOOSE LAKE—Portal Pipeline Co.		25,326					25,326		
HAY CREEK—Fairview Pipeline Co.		6,658					6,658		
HIAWATHA—Continental Pipeline Co		3,577					3,577		
IVANHOE—Continental Pipeline Co.		3,708				3,708			
JIM COULEE—									
Continental Pipeline Co.		38,732						38,732	
KEG COULEE AND KEG COULEE NORTH—Continental Pipeline Co.		22,672				22,672			
KELLEY—Continental Pipeline Co.		5,969				5,969			
KEVIN SUNBURST—									
Big West Oil Co.	7,511	15,400				14,500			8,411
Homestake Oil & Gas Co.	2,290	2,184				2,636			1,838
Texas Pipeline Co.	7,858	8,213			(30)	5,290			10,811
	17,659	25,797			(30)	22,426			21,060
LEARY—Permian Corp.			2,835				2,835		
LODGE GRASS—Permian Corp.			875			875			
MASON LAKE—									
Continental Pipeline Co.		345				345			
MELSTONE—Continental Pipeline Co.		1,787				1,787			
MIDDLE WALL—									
Continental Pipeline Co.**		2,524						2,524	
MOSSER—Permian Corp.			331				331		
NOHLY—Koch Oil Co.			8,456				8,456		
OTIS CREEK—									
Western Crude Oil, Inc.			5,716				5,716		
OUTLOOK, OUTLOOK SOUTH AND OUTLOOK WEST—									
Portal Pipeline Co.		14,907					14,907		
PONDERA—Phillips Petroleum Co.	31,105	26,624			782	30,590			26,357
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE—									
East Poplar Gathering System	14,521	61,384			546			56,399***	18,960
PUTNAM—Western Crude Oil, Inc.			8,379				8,379		
RABBIT HILLS—Truck			8,788				8,788		
RAGGED POINT—									
Continental Pipeline Co.		19,469				19,469			
RAYMOND—Portal Pipeline Co.		30,286					30,286		
RED CREEK—									
Western Oil Transportation Co.		20,034						20,034	
RESERVE—Portal Pipeline Co.		4,815					4,815		
RUSH MOUNTAIN—Sinclair Ref. Co.		2,376					2,376		
SALT LAKE—Koch Oil Company			3,452				3,452		
SECOND CREEK—Koch Oil Company			9,606				9,606		
SNYDER—Permian Corp.			923			923			
SOAP CREEK—Permian Corp.			8,349				8,349		
SPRING LAKE—Koch Oil Co.			1,914				1,914		
SUMATRA AND STENSVAD—									
Continental Pipeline Co.	868,153	140,140		2,797,031	5,295	133,867		2,993,085	673,147
TULE CREEK—									
Spruce Oil Co.	12,487		24,403			30,620			6,270
Permian Corp.			2,519			2,519			
	12,487		26,922			33,139			6,270
WOLF SPRINGS—									
Continental Pipeline Co.		1,493				1,493			
WHITLASH AND WHITLASH WEST—Camberland Cardinal Corp.		15,494				9,277		6,217	
WILDCAT WELLS—Truck			7,956					7,956	
TOTAL	1,488,275	3,227,634	196,581	4,678,394	12,025	741,717	3,013,801	4,596,363	1,226,978

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Richey, Richey Southwest, Vida, Weldon and Wills Creek South.
**Little Wall Creek and Willow Creek North.
***Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF AUGUST, 1973

	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Exxon Co.	Farmers Union	Jet Fuel Refinery	Phillips Petroleum Co.	Spruce Oil Co.	Westco Refining Co.	Total
Big Wall		4,104								4,104
Cat Creek		3,446			11,077					14,523
Cut Bank	64,500						163,683		148,088	376,271
Elk Basin		45,377		34,023	38,724					118,124
Flat Coulee									8,118	8,118
Fred & George Creek	45,509									45,509
Ivanhoe		3,265								3,265
Keg Coulee		12,927		3,774	2,718					19,419
Kelley				5,969						5,969
Kevin Sunburst	22,672									22,672
Lodge Grass		875								875
Mason Lake		345								345
Melstone					1,787					1,787
Pondera							25,876			25,876
Ragged Point					19,469					19,469
Snyder		923								923
Sumatra & Stensvad		18,441		56,106	68,293					142,840
Tule Creek								59,600		59,600
Whitlash							9,277			9,277
Wolf Springs				1,493						1,493
Total Montana Oil	132,681	89,703		101,365	142,068		198,836	59,600	156,206	880,459
Canadian Oil Imported		610,889		448,982	416,155					1,476,026
Wyoming Oil Imported		1,007,519		956,389	514,179					2,478,087
Total Montana, Canadian & Wyoming Oil	132,681	1,708,111		1,506,736	1,072,402		198,836	59,600	156,206	4,834,572

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year 1972	24,723	37,303	70,391	132,417
August, 1972	27,167	38,507	73,485	139,159
August, 1973	28,402	47,614	79,938	155,954

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year 1972	18.67%	28.17%	53.16%
August, 1972	19.52%	27.67%	52.81%
August, 1973	18.21%	30.53%	51.26%